

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/064824 A1

(51) International Patent Classification⁷: **H04B 7/26**,
H04L 29/06, H04Q 7/20

(SG). **KHOO, Tai, Wee** [SG/SG]; Blk 181 Stirling Road
#02-204, Singapore 140181 (SG).

(21) International Application Number:
PCT/SG2003/000293

(74) Agent: **NG KIM TEAN**; Alain A Johns Partnership, P O
Box 1861, Robinson Road Post Office, Singapore 903711
(SG).

(22) International Filing Date:
26 December 2003 (26.12.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*): **FRON-
TIER INTEGRATED TECHNOLOGY PTE. LTD.**
[SG/SG]; 19A Serangoon North Avenue 5, Singapore
554859 (SG).

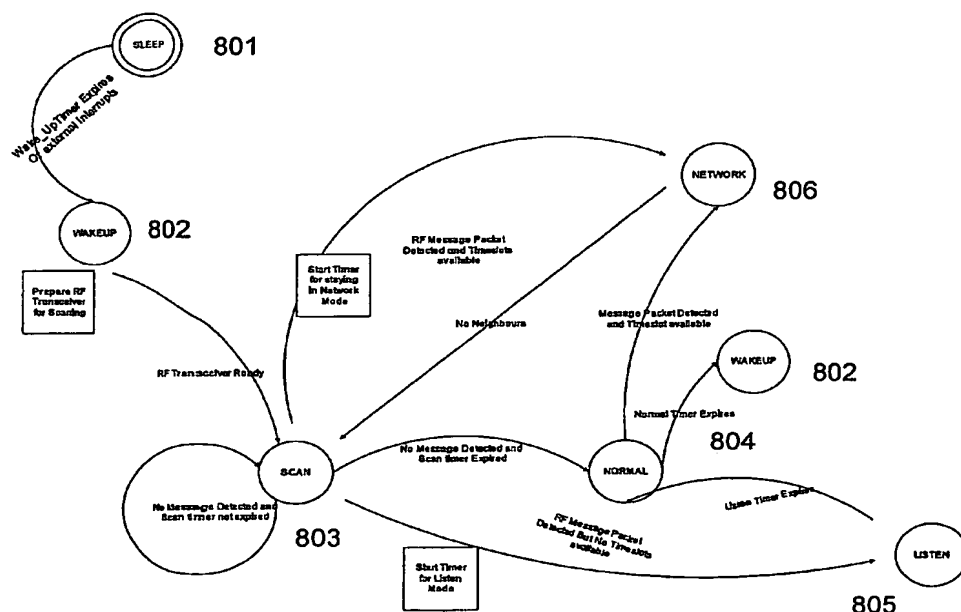
(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KOH, Boon,
Kwang** [SG/SG]; Blk 2 Beach Road #14-4805, Sin-
gapore 190002 (SG). **TAN, Huan, Fong** [SG/SG];
Blk 220 Hougang Street 21 #08-60, Singapore 530220

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR WIRELESS NETWORK EXPANSION



(57) Abstract: The present invention relates to the field of wireless networks. In one form the invention relates to the management of a wireless network and the mobile network devices therein. The present invention stems from the realization that providing information in relation to the accessibility of timeslots and allocating use of "free" timeslots to devices in a network by providing this information as part of the network infrastructure, the restrictions of fixed numbers of devices gaining access to a network and its resources may be overcome.



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.